INFRASTRUCTURE IMPROVEMENTS MACON TRAINING SITE MACON, MISSOURI



OWNER: STATE OF MISSOURI

MICHAEL L. PARSON,

GOVERNOR

DEPARTMENT OF PUBLIC SAFETY

MISSOURI ARMY NATIONAL GUARD

PROJECT OFFICE OF ADMINISTRATION

MANAGEMENT: DIVISION OF FACILITIES MANAGEMENT,

DESIGN AND CONSTRUCTION

DESIGNER: Klingner & Associates, PC

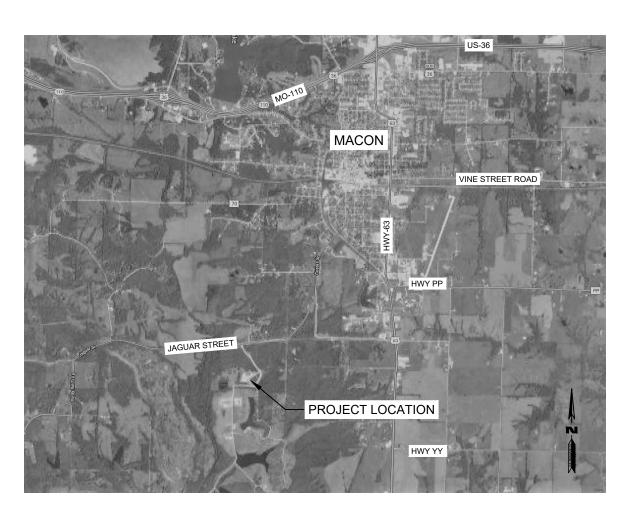
PROJECT NUMBER: T2127-01

SITE NUMBER: 6319

ASSET NUMBER: 8136319017







PROJECT LOCATION MAP

SHEET NUMBER	SHEET NAME	CURRENT REVISION DATE
G001	COVER SHEET	08/05/21
C001	INDEX, NOTES & LEGEND SHEET	08/05/21
CD101	EXISTING CONDITIONS & DEMOLITION PLAN	08/05/21
C101	SITE UTILITY PLAN	08/05/21
C102	SANITARY SEWER PLAN & PROFILE	08/05/21
C501	SITE DETAILS	08/05/21

- THE CONTRACTOR(S) SHALL COMPLY WITH THE LATEST EDITION OF APPLICABLE CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO:
- THE AMERICANS WITH DISABILITIES ACT (ADAAG)
- INTERNATIONAL BUILDING CODE (IBC)
- NATIONAL ELECTRIC CODE (NEC)
- INTERNATIONAL PLUMBING CODE (IPC) - LIFE SAFETY CODE (NFPA 101)
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)
- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- AMERICAN CONCRETE INSTITUTE (ACI)
- MISSOURI DEPARTMENT OF TRANSPORTATION (MODOT) - MISSOURI DEPARTMENT OF NATURAL RESOURCES (MODNR)

GENERAL NOTES

- 1. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
- 2. ANY DISCREPANCIES BETWEEN SPECIFICATIONS, DRAWINGS, AND/OR SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- 3. ALL AREAS DESIGNATED TO REMAIN UNDISTURBED SHALL BE PROTECTED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING THE LOCATION OF ALL PROPOSED IMPROVEMENTS, INCLUDING ROUGH AND FINISHED ELEVATIONS AND ALL OTHER PROPOSED IMPROVEMENTS INDICATED ON THE DRAWINGS.
- 5. THE CONTRACTOR SHALL VERIFY THAT ALL APPLICABLE LOCAL, STATE, & FEDERAL CODES ARE FOLLOWED. ALL APPLICABLE LOCAL AND STATE NOTIFICATIONS AND PERMITS SHALL BE ACQUIRED PRIOR TO CONSTRUCTION, INCLUDING ALL NECESSARY UTILITY CONNECTION PERMITS FROM THE RESPECTIVE UTILITIES.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY UTILITIES AND SERVICES REQUIRED DURING CONSTRUCTION.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL REFERENCE POINTS, BENCHMARKS, MONUMENTS, STAKES, AND PROPERTY CORNERS DURING CONSTRUCTION. REPLACEMENT OF LOST REFERENCE POINTS SHALL BE AT THE CONTRACTORS EXPENSE.
- 8. REMOVE ALL STRUCTURES, FOUNDATIONS, WALLS, PAVEMENTS, AND ALL OTHER ITEMS IN CONFLICT WITH PROPOSED IMPROVEMENTS IN ACCORDANCE WITH THE SPECIFICATIONS.
- 9. REFERENCES TO "STANDARD SPECIFICATIONS" SHALL MEAN THE MISSOURI DEPARTMENT OF TRANSPORTATION, "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", LATEST ADDITION.
- 10. THE MEANS OF THE WORK AND THE SAFETY OF THE CONTRACTOR'S EMPLOYEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 11. NO WORK SHALL BE PERFORMED BEYOND THE LIMITS OF CONSTRUCTION WITHOUT OWNER APPROVAL.
- 12. SITE CLEAN-UP SHALL BE PERFORMED ON A DAILY BASIS. SIDEWALKS, PARKING LOTS. ROADWAYS, AND THE PROJECT SITE SHALL BE KEPT CLEAN AT ALL TIMES. CONTROL DUST IN AND AROUND ALL WORK AND STAGING AREAS.
- 13. ALL OPEN EXCAVATIONS SHALL BE PROTECTED.
- 14. MAINTAIN POSITIVE DRAINAGE ON THE SITE THROUGHOUT THE PROJECT DURATION.
- 15. IF A DISCREPANCY IN THE SPOT ELEVATIONS IS NOTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTING. IF THERE IS A DISCREPANCY BETWEEN THE SPOT ELEVATIONS AND CONTOURS, THE CONTOURS SHALL GOVERN.
- 16. IF SOIL OR GROUNDWATER IS ENCOUNTERED WHICH EMITS A PETROLEUM ODOR OR IS DISCOLORED THE CONTRACTOR SHALL STOP EXCAVATION AND NOTIFY THE OWNER IMMEDIATELY. THE OWNER WILL COORDINATE ENVIRONMENTAL EFFORTS TO HANDLE THE IMPACTED SOIL OR GROUNDWATER IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS. THE CONTRACTOR SHALL TAKE APPROPRIATE ACTION TO ENSURE PUBLIC AND EMPLOYEE SAFETY.

UTILITY NOTES

- 1. THE LOCATION OF EXISTING UTILITIES IN CONSTRUCTION AREAS SHALL BE FIELD VERIFIED BY THE CONTRACTOR BY CONTACTING THE MISSOURI ONE CALL SYSTEM, INC. OR THE INDIVIDUAL UTILITIES NOT PARTICIPATING IN THIS SYSTEM. EXISTING UTILITIES TO REMAIN SHALL BE PROTECTED. ANY REPAIR OR RELOCATION REQUIRED, AS A RESULT OF DAMAGE BY CONSTRUCTION ACTIVITIES SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PAY UTILITY PERMIT AND/OR INSPECTION FEES.
- 2. UTILITY TRENCHES WITHIN PAVEMENT AREAS SHALL BE BACKFILLED WITH APPROVED COMPACTED GRANULAR BACKFILL.
- 3. ALL ELECTRIC SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, CURRENT VERSION.
- 4. ELECTRIC UTILITY PROVIDER IS MACON ELECTRIC COOPERATIVE. THE POINT OF CONTACT IS JOSH LANGHAMMER, TELEPHONE: 650-385-3157.
- 4. ADJUST ALL VALVES, MANHOLES, CASTINGS, GAS VENTS, ETC., TO MATCH THE NEW SURFACE. ADJUSTMENT SHALL BE COORDINATED WITH THE UTILITY COMPANIES AND THE COST FOR ALL ADJUSTMENTS SHALL BE INCIDENTAL TO THE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. REPAIR ANY DAMAGE TO SAID STRUCTURES AND APPURTENANCES THAT OCCUR DURING CONSTRUCTION.
- 5. THE DRAWINGS INDICATE THE BEST KNOWLEDGE OF THE OWNER AND ENGINEER/ARCHITECT ON THE GENERAL LOCATION AND NATURE OF THE EXISTING AND OR PROPOSED UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION. EXPLORATORY EXCAVATIONS AT THE SITE TO DETERMINE INSITU LOCATIONS WERE NOT CONDUCTED. QUALITY LEVEL C IN ACCORDANCE WITH CI/ASCE 38-02, STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA, WAS UTILIZED. REGARDLESS OF THE LEVEL OF INVESTIGATION, THE UTILITIES SHOWN SHOULD NOT BE CONSIDERED A WARRANTY OR GUARANTEE OF ACTUAL PRESENCE OR LOCATION AND THE CONTRACTOR REMAINS RESPONSIBLE FOR THE LOCATION, VERIFICATION, AND PROPER NOTIFICATION OF POTENTIAL UTILITIES.

QUALITY LEVELS:

QUALITY LEVEL A - PROVIDES THE HIGHEST LEVEL OF ACCURACY. BY LOCATING OR POTHOLING UTILITIES IN ADDITION TO QUALITY LEVELS B, C, AND D TASKS. THE LOCATED UTILITY INFRASTRUCTURE IS SURVEYED AND MAPPED TO DEVELOP PLAN AND PROFILE INFORMATION.

QUALITY LEVEL B - INVOLVES DESIGNATING THE HORIZONTAL POSITION OF SUBSURFACE UTILITIES THROUGH SURFACE DETECTION METHODS AND RECORDING THE INFORMATION THROUGH A SURVEY METHOD. IN ADDITION TO QUALITY LEVEL C AND D TASKS.

QUALITY LEVEL C - INVOLVES SURVEYING VISIBLE SUBSURFACE UTILITY STRUCTURES SUCH AS MANHOLES, HAND-HOLES, UTILITY VALVES AND METERS, FIRE HYDRANTS, PEDESTALS AND UTILITY MARKERS, AND THEN CORRELATING THE INFORMATION WITH EXISTING UTILITY RECORDS TO CREATE COMPOSITE DRAWINGS. IN ADDITION TO QUALITY LEVEL D TASKS

QUALITY LEVEL D - INVOLVES COLLECTING DATA FROM EXISTING UTILITY RECORDS, THAT MAY INCLUDE AS-BUILT DRAWINGS, DISTRIBUTION AND SERVICE MAPS, EXISTING GEOGRAPHIC INFORMATION SYSTEM DATABASE, CONSTRUCTION PLANS, ETC. DATABASES, CONSTRUCTION PLANS, ETC.

EROSION CONTROL NOTES

- 1. EROSION CONTROL SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, THE DETAILS IN THESE PLANS, AND THE MISSOURI DEPARTMENT OF NATURAL RESOURCES STANDARDS AND REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL.
- 2. THE EROSION CONTROL SHOWN ON THIS SET OF PLANS SHALL BE CONSIDERED THE MINIMUM ACCEPTABLE FOR THIS PROJECT. THERE MAY BE ADDITIONAL EROSION CONTROL REQUIRED DUE TO THE VARIOUS CONSTRUCTION TECHNIQUES, WHICH MAY BE USED. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AND MAINTAINING ALL THE RUNOFF FROM THE SITE, IN A MANNER WHICH KEEPS ALL SILT ON SITE.
- 3. A LAND DISTURBANCE PERMIT WILL NOT BE REQUIRED SINCE LESS THAN 1 ACRE OF LAND WILL BE DISTURBED BY GRADING OPERATIONS.
- 4. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION AND FINAL STABILIZATION OF LANDSCAPED AND SEED AREAS.

ABBREVIATIONS

_	
FL	FLOWLINE ELEVATION
TC	TOP OF CURB ELEVATION
GL	GUTTER LINE ELEVATION
TG	TOP OF GRATE ELEVATION
STA	STATION
FES	FLARED END SECTION
SWI	STORM WATER INLET
FFE	FINISH FLOOR ELEVATION
HP	HIGH POINT

LOW POINT

DOWNSPOUT

EDGE OF PAVEMENT

NOT IN CONTRACT

MATCH EXISTING

Know what's below.

Call before you dig.

— NOTE —

UTILITY INFORMATION IS FOR THE CONVENIENCE

OF THE CONTRACTOR. BEFORE CONSTRUCTION

BEGINS THE CONTRACTOR SHALL CONTACT

MISSOURI ONE CALL SYSTEM, INC. AT 811 OR

1-800-344-7483 AND THE INDIVIDUAL UTILITIES

NOT INCLUDED IN THIS SYSTEM FOR THE

LOCATION OF ALL EXISTING UTILITIES.

TOP OF WALL ELEVATION

BOTTOM OF WALL ELEVATION

I ECENID

	LEGEND		
EXISTING	PROPOSED		
		PROPERTY LINE	
		LOT LINE	
		RIGHT OF WAY LINE	
		CENTERLINE	
		EASEMENT	
		BUILDING SETBACK	
		CONSTRUCTION LIMITS	
X	x	FENCE LINE	
0	0	CHAIN LINK FENCE	
	n	FENCE W/ SQUARE POSTS	
		STREAM	
_//////////////////////////////////////		STRUCTURE	
		PAVEMENT MARKINGS	
		EDGE OF PAVEMENT	
=======================================		CURB AND GUTTER	
_ _	- -	RAILROAD TRACKS	
w w	— w — w —	WATER LINE	
——— FP ———— FP ———	——FP ——	FIRE PROTECTION	
G G		GAS LINE	
OE	OE	OVERHEAD ELECTRIC	
	UE		
OT OT	—— от —— от ——	OVERHEAD TELEPHONE	
UT	—— ит—— ит——	UNDERGROUND TELEPHONE	
CATVCATV	CATVCATV	CABLE TELEVISION	
F0F0			
		FIBER OPTIC	
COMCOM		COMMUNICATION LINE	
) ST)	——————————————————————————————————————	STORM SEWER	
>SAN>	>SAN>>SAN>	SANITARY SEWER	
FMFM	——————————————————————————————————————	FORCE MAIN	
	ST-SAN	COMBINED SEWER	
IRIR		IRRIGATION SYSTEM	
‡ ‡ +	* * *	MAST ARM SIGNAL (3 SIGNALS)	
I +	I +	MAST ARM SIGNALS (2 SIGNALS)	
ф	T	UTILITY TRAFFIC SIGN	
0	•	SIGN MANHOLE	
© 		STORM WATER INLET	
	■	CATCH BASIN	
© C/0 C/0	° (0 €		
-7 -O	-7 •	CLEANOUT CULVERT	
N21		BOX CULVERT	
\boxtimes	⊠	WATER VALVE	
PIV Ö	PIV	FIRE HYDRANT	
PIV		POST INDICATOR VALVE	
W	W	WATER METER	
\otimes	⊗	GAS VALVE	
G	G	GAS METER	
		TELEPHONE PEDESTAL	
		CABLE TV PEDESTAL	
Ē	E ~	ELECTRIC METER	
Ø		UTILITY POLE	
X	*	LIGHT STANDARD	
0-0	●-□	LIGHT POLE	
	&	GUY WIRE	
		SUMMIT / HIGH POINT	
	601	CONTOURS	
— — 600— —	600	INDEX CONTOURS	
$\sim \sim$	\longrightarrow	DIRECTION OF DRAINAGE	
×eo.o	600.00	SPOT ELEVATION	
	\bigcirc	DECIDUOUS SHRUB	
	(+)	DECIDUOUS TREE	
0		CONIFEROUS SHRUB	
		CONIFEROUS TREE	
	/// \ <u>/</u> \		

STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**



CURT WAVERING - ENGINEER MO # PE-2011009046

OFFICE OF ADMINISTRAT **DIVISION OF FACILITIES** MANAGEMENT, DESIGN AND CONSTRUCT

INFRASTRUCTURE **IMPROVEMENTS**

MACON TRAINING SITE

29614 JAGUAR STREET **MACON, MO 63552**

ASSET # 8136319017

PROJECT # T2127-01 6319 SITE#

REVISION: DATE **REVISION:** DATE **REVISION:** DATE: ISSUE DATE: 08/05/2021

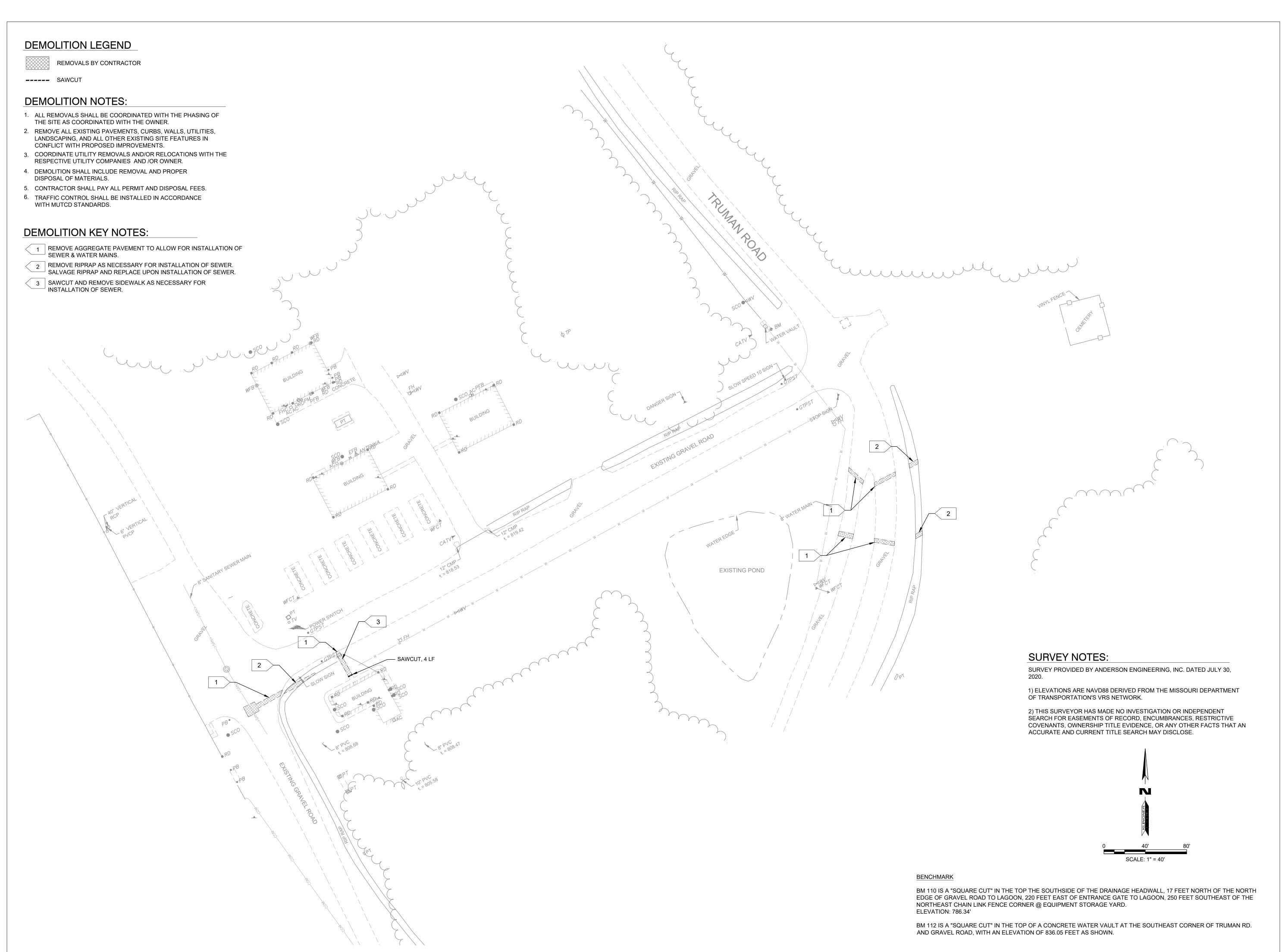
CAD DWG FILE: C001 DRAWING BY: DCD/VJC/SCH CHECKED BY: CSW DESIGNED BY: DCD

SHEET TITLE:

INDEX, NOTES & LEGEND **SHEET**

SHEET NUMBER:





STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR



CURT WAVERING - ENGINEER MO # PE-2011009046

& A S S O C I A T E S, P. C. ingineers • Architects • Surveyor

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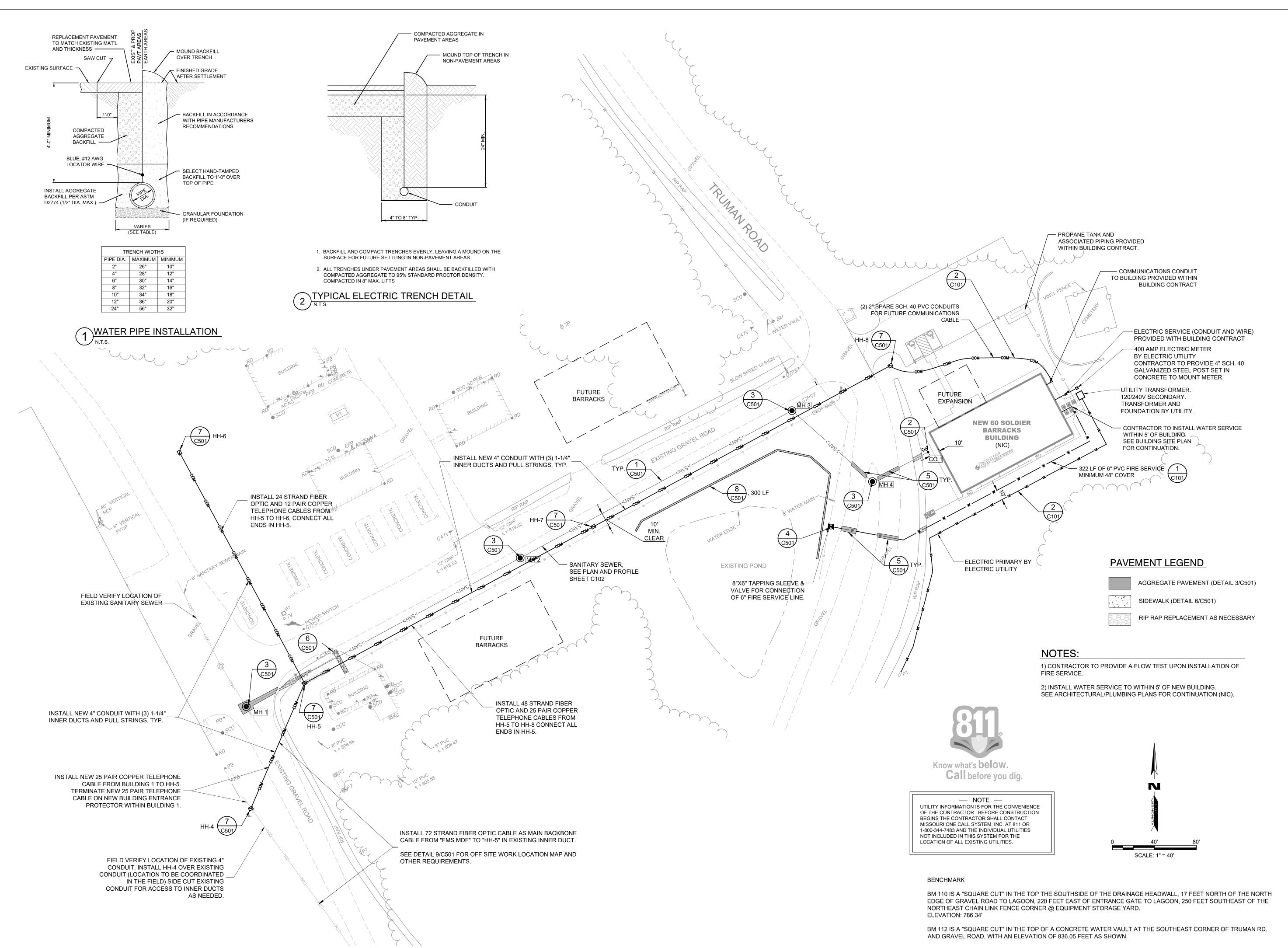
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DRAWING BY: DCD/VJC/SCH
CHECKED BY: CSW
DESIGNED BY: DCD

SHEET TITLE:

EXISTING
CONDITIONS &
DEMOLITION PLAN

SHEET NUMBER:

CD101
3 OF 6 SHEETS



STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR



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& A S S O C I A T E S, P. C.
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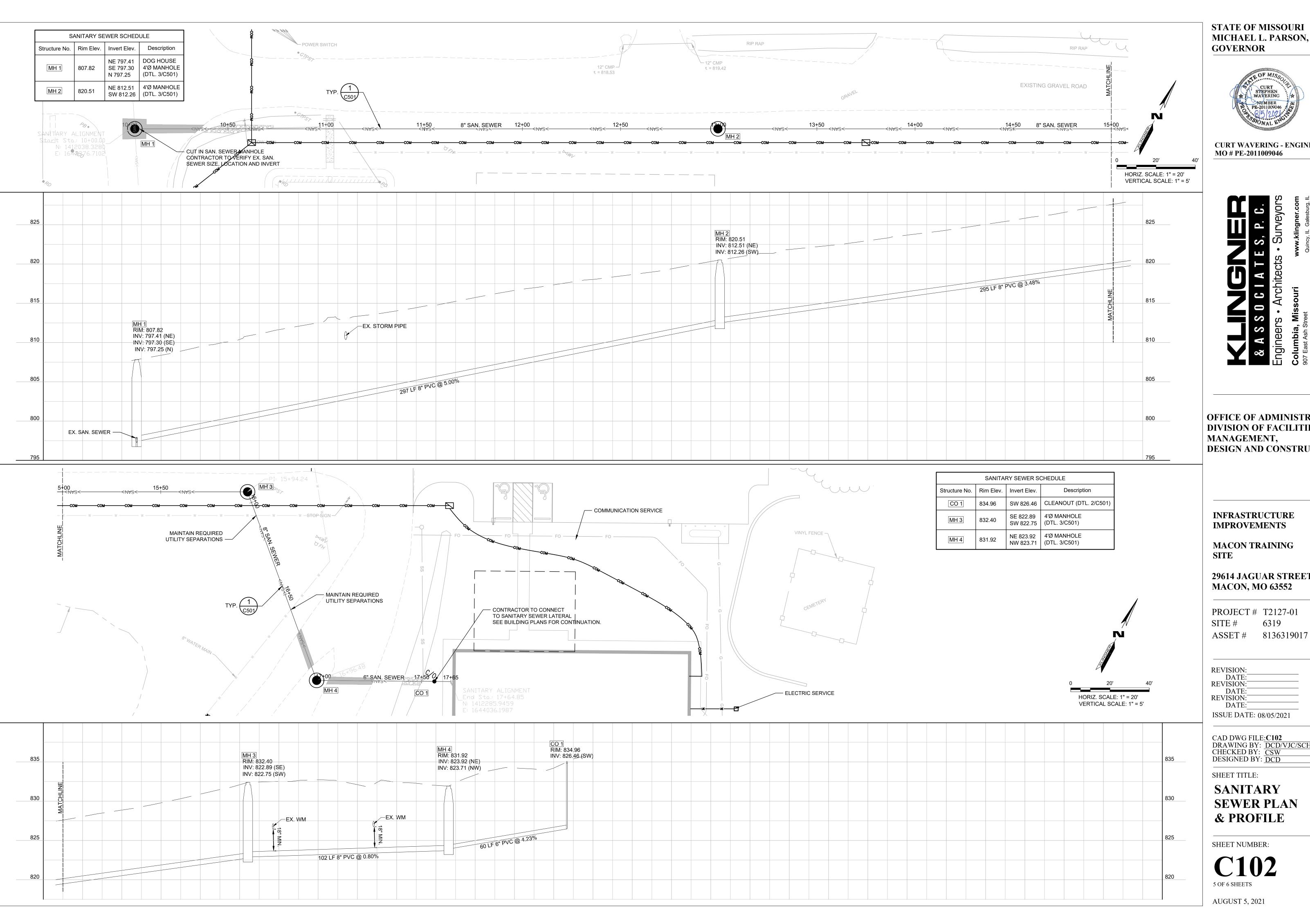
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DRAWING BY: DCD/VJC/SCH
CHECKED BY: CSW
DESIGNED BY: DCD

SHEET TITLE:

SITE UTILITY PLAN

SHEET NUMBER:

C1014 OF 6 SHEETS



STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**



CURT WAVERING - ENGINEER MO # PE-2011009046

OFFICE OF ADMINISTRAT DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCT

INFRASTRUCTURE **IMPROVEMENTS**

MACON TRAINING

29614 JAGUAR STREET **MACON, MO 63552**

PROJECT # T2127-01 6319

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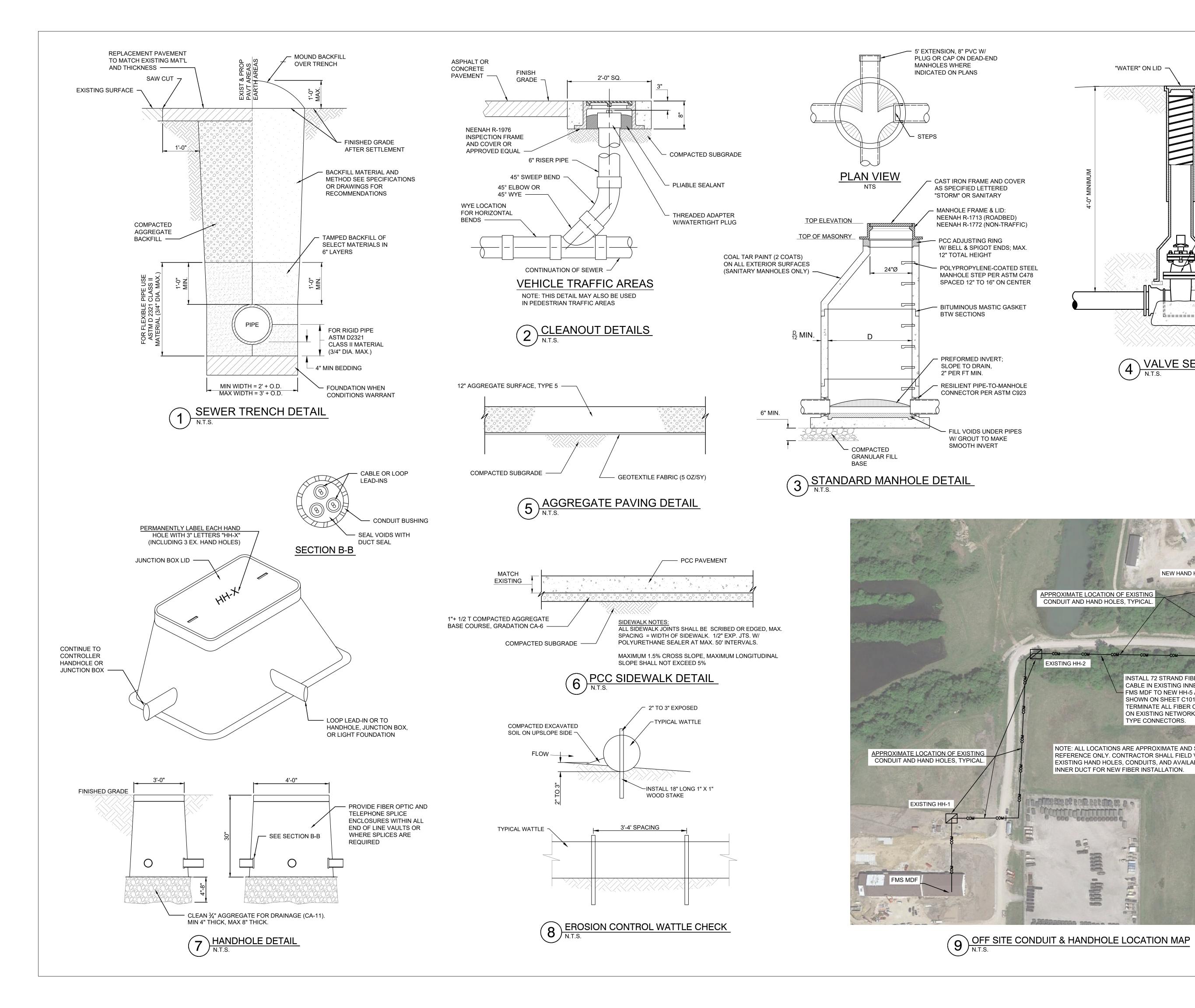
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CHECKED BY: CSW DESIGNED BY: DCD

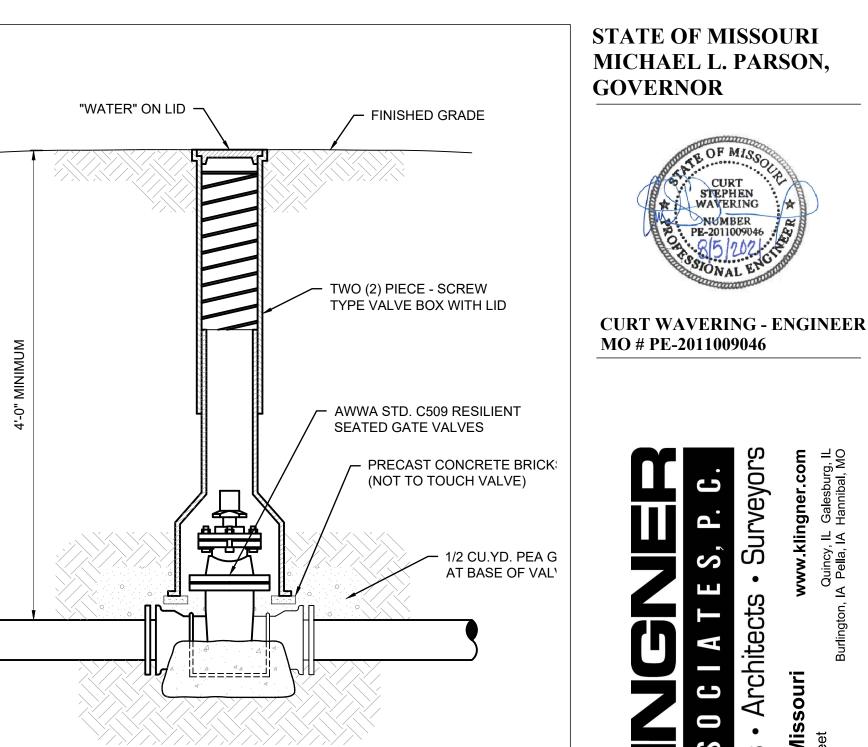
SHEET TITLE:

SANITARY SEWER PLAN & PROFILE

SHEET NUMBER:

5 OF 6 SHEETS





BLDG 1 IDF

EXISTING HH-3

4 VALVE SETTING

N.T.S.

NEW HAND HOLE HH-3

INSTALL 72 STRAND FIBER OPTIC

TYPE CONNECTORS.

NOTE: ALL LOCATIONS ARE APPROXIMATE AND SHOWN FOR

REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY ALL

EXISTING HAND HOLES, CONDUITS, AND AVAILABILITY OF

INNER DUCT FOR NEW FIBER INSTALLATION.

CABLE IN EXISTING INNER DUCT FROM FMS MDF TO NEW HH-5 AS NOTED AND SHOWN ON SHEET C101, TYPICAL. TERMINATE ALL FIBER OPTIC STRANDS

ON EXISTING NETWORK RACK USING LC

APPROXIMATE LOCATION OF EXISTING CONDUIT AND HAND HOLES, TYPICAL

EXISTING HH-2

OFFICE OF ADMINISTRAT DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCT**

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INFRASTRUCTURE IMPROVEMENTS

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PROJECT # T2127-01 6319 ASSET # 8136319017

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CAD DWG FILE: C501 DRAWING BY: DCD/VJC/SCH CHECKED BY: CSW

ISSUE DATE: 08/05/2021

DESIGNED BY: DCD

SHEET TITLE:

SITE DETAILS

SHEET NUMBER:

6 OF 6 SHEETS